PD0050 "EST3620

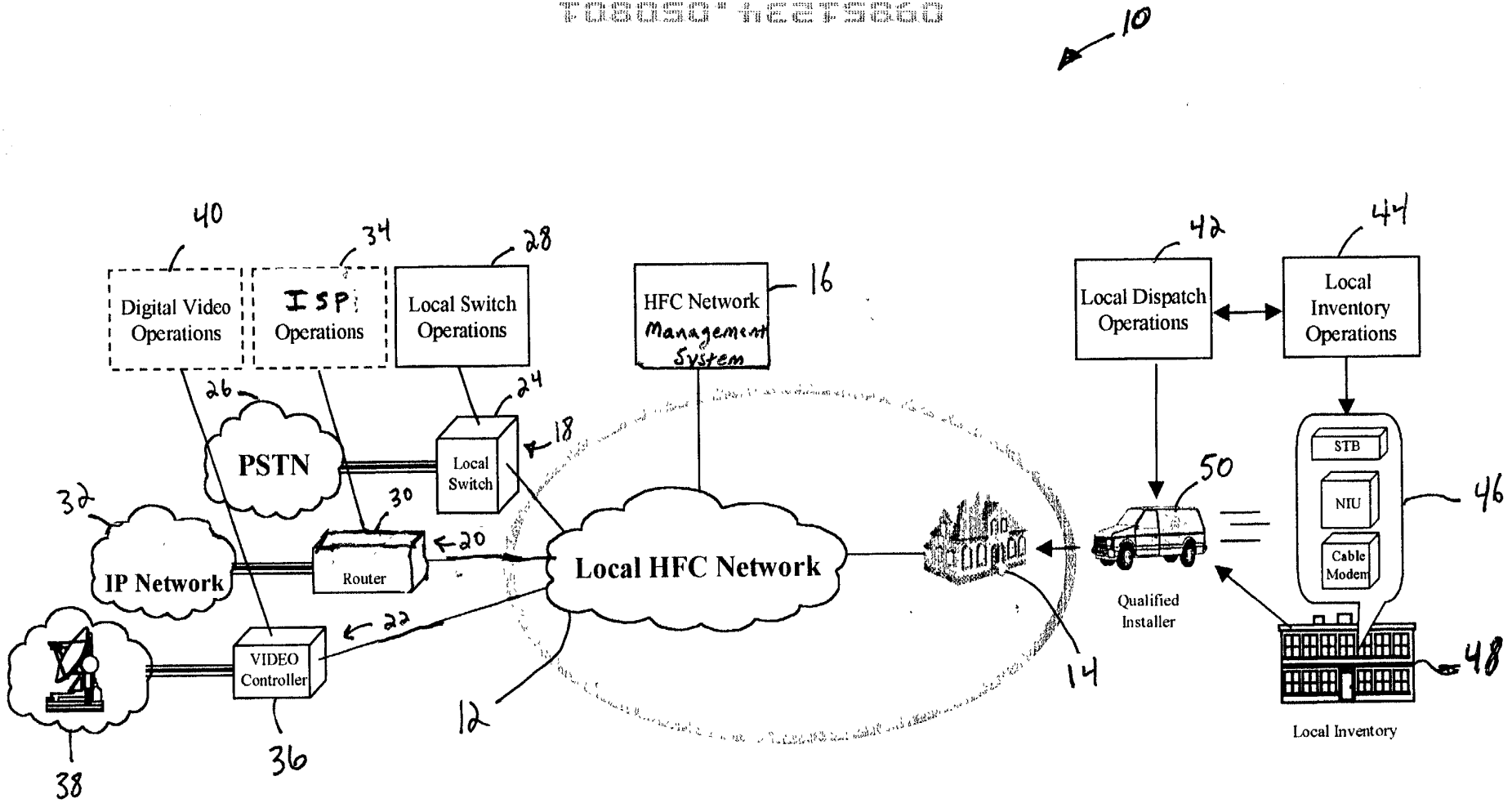

FIG. 1

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1 OF 9

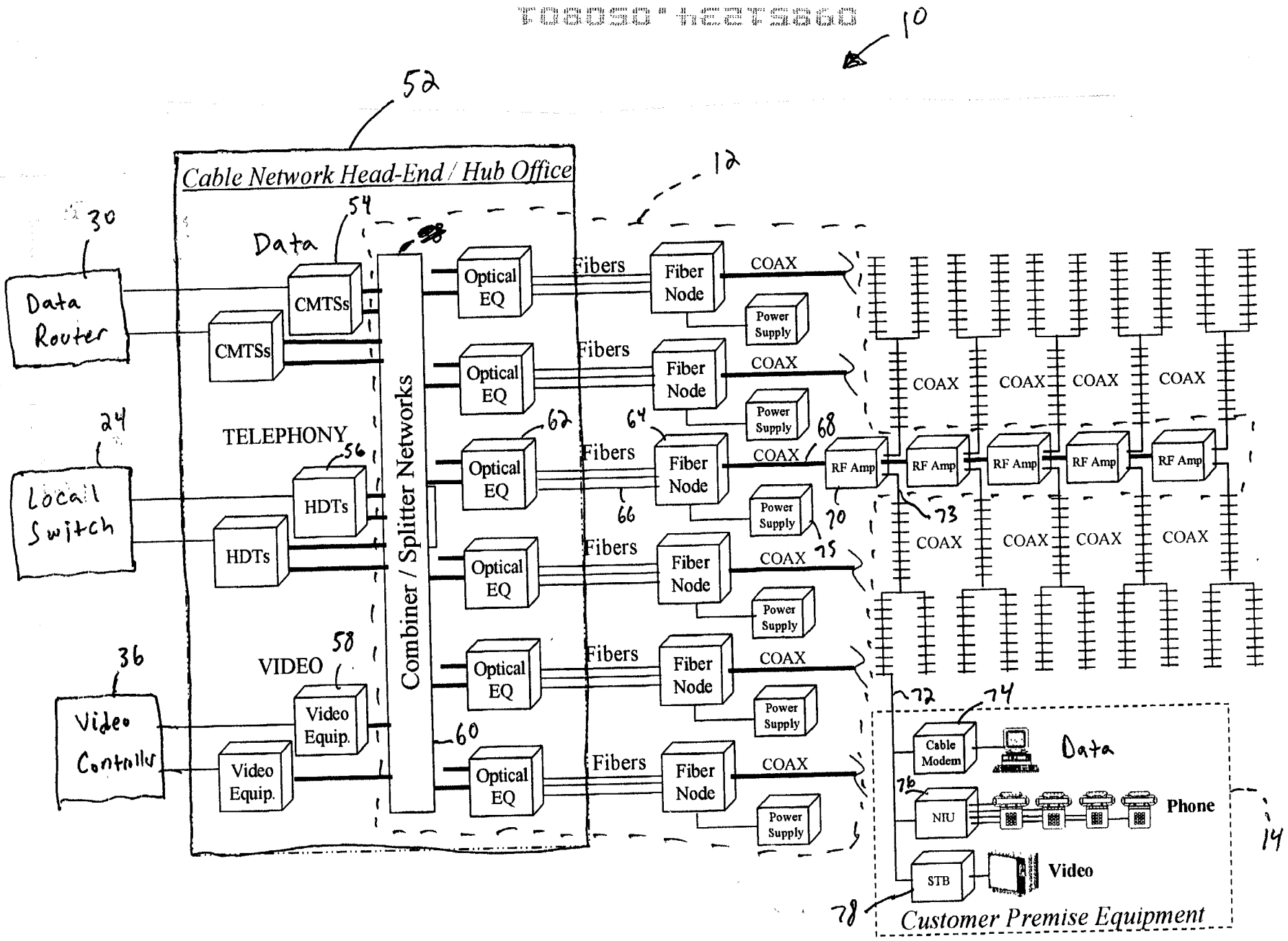

FIG. 2

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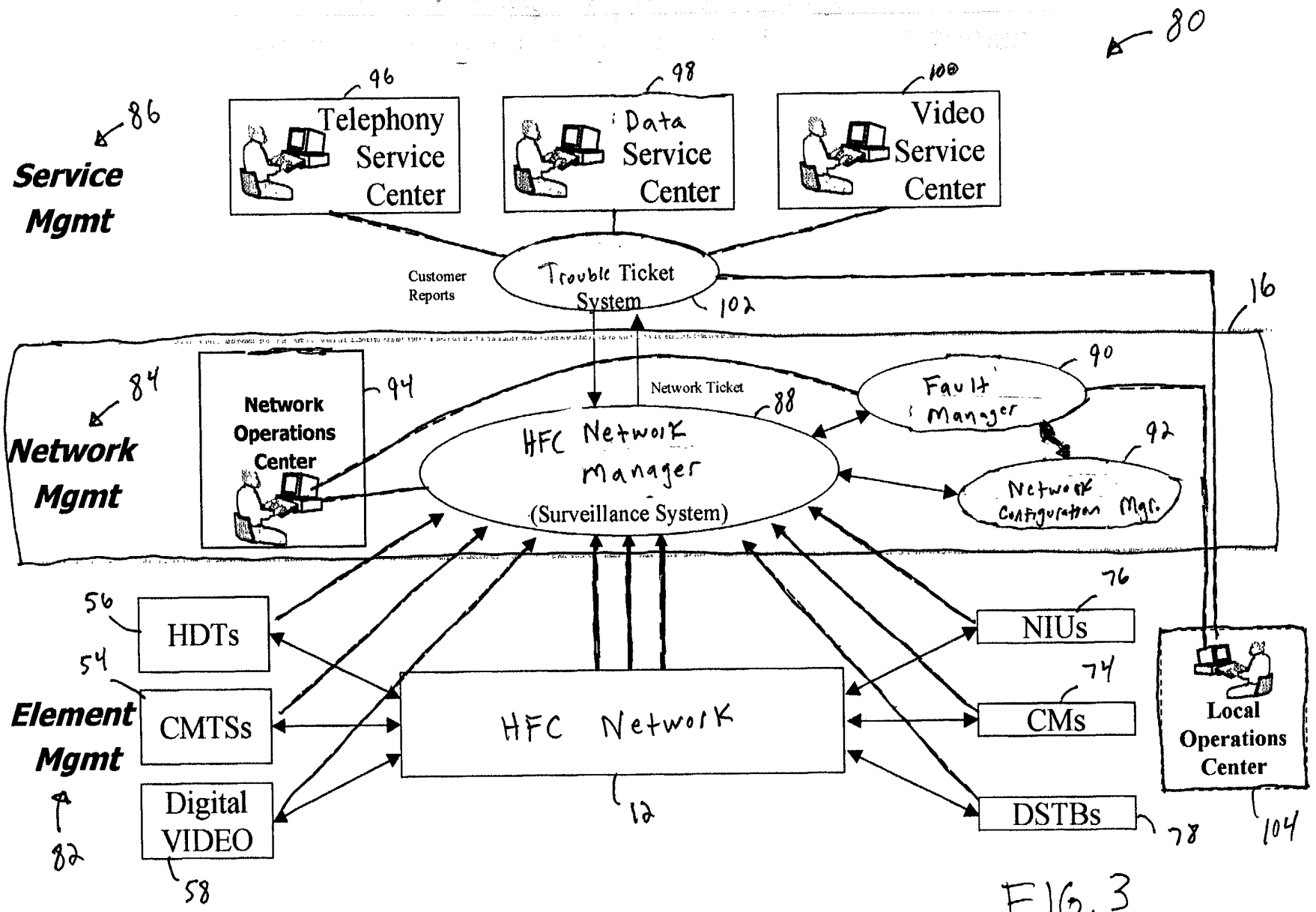
2 of 9

10880930 "EE75860



F16.3

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3 of 9

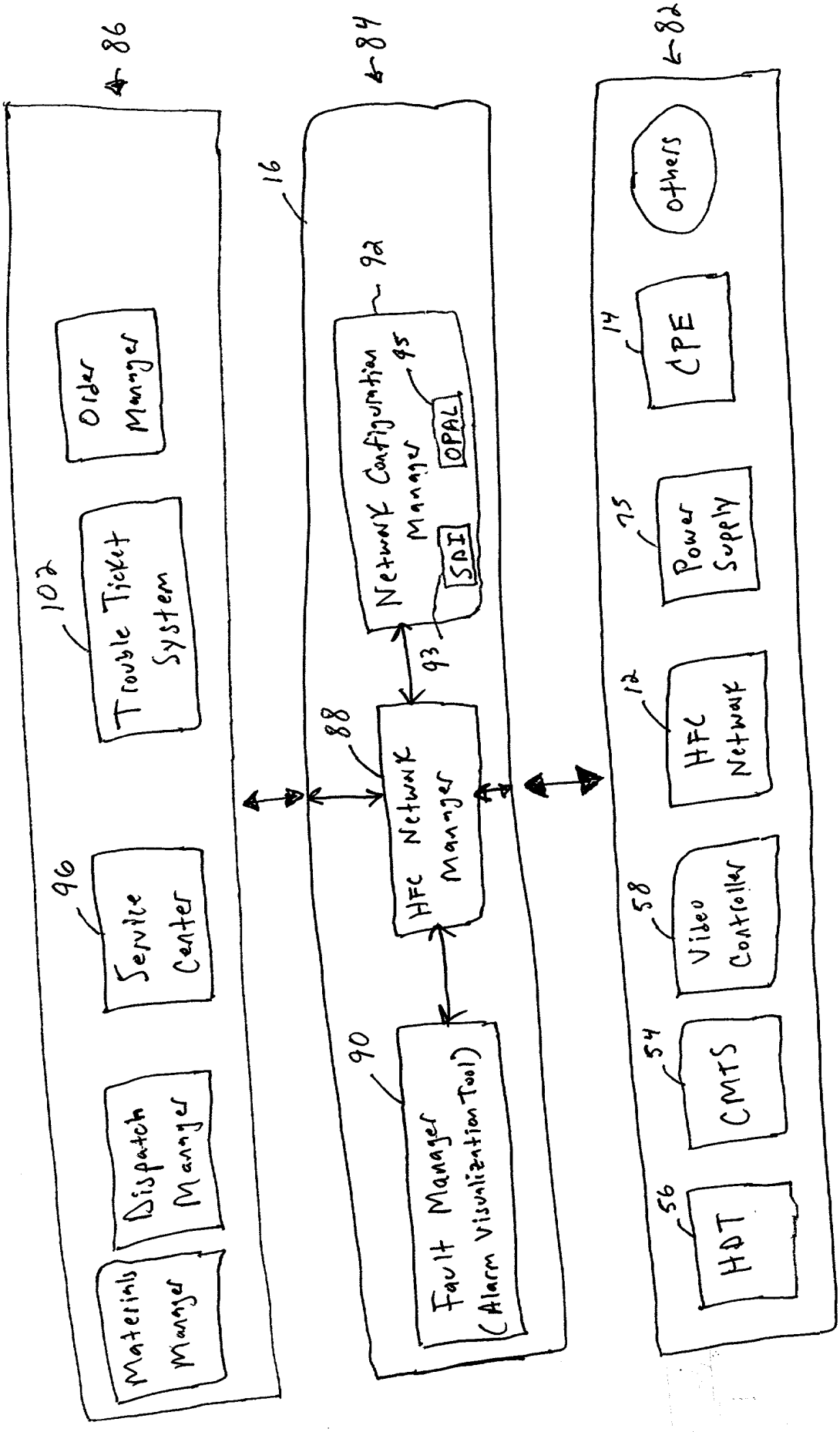
80
86
84
82
16
Materials Manager
Dispatch Manager
Service Center
96
Trouble Ticket System
102
Older Manager
Fault Manager (Alarm Visualization Tool)
90
HFC Network Manager
88
Network Configuration Manager
92
SDI
OPAL
95
93
HDT
56
CMTS
54
Video Controller
58
HFC Network
12
Power Supply
75
CPE
14
others

FIG. 4

FIG. 5-7 taken from J

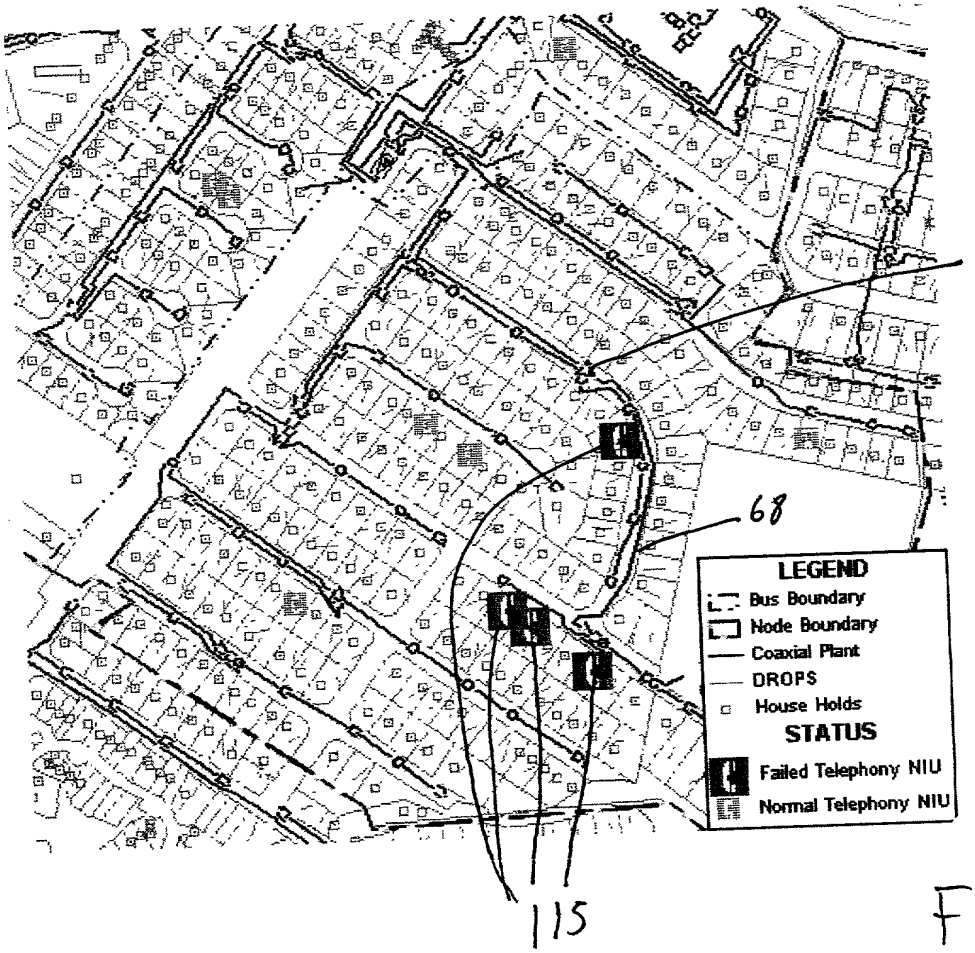

FIG. 5

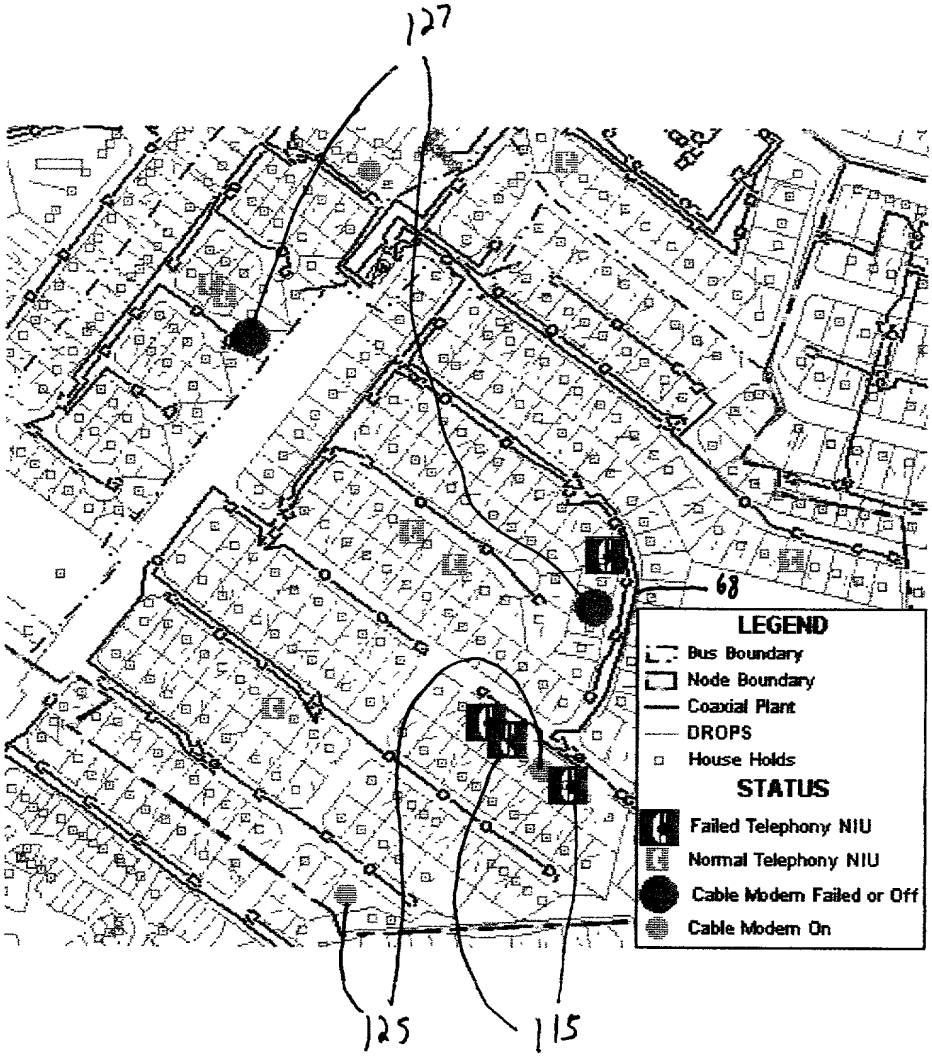
127
120
68
LEGEND
Bus Boundary
Node Boundary
Coaxial Plant
DROPS
House Holds
STATUS
Failed Telephony NIU
Normal Telephony NIU
Cable Modem Failed or Off
Cable Modem On
125
115

FIG. 6

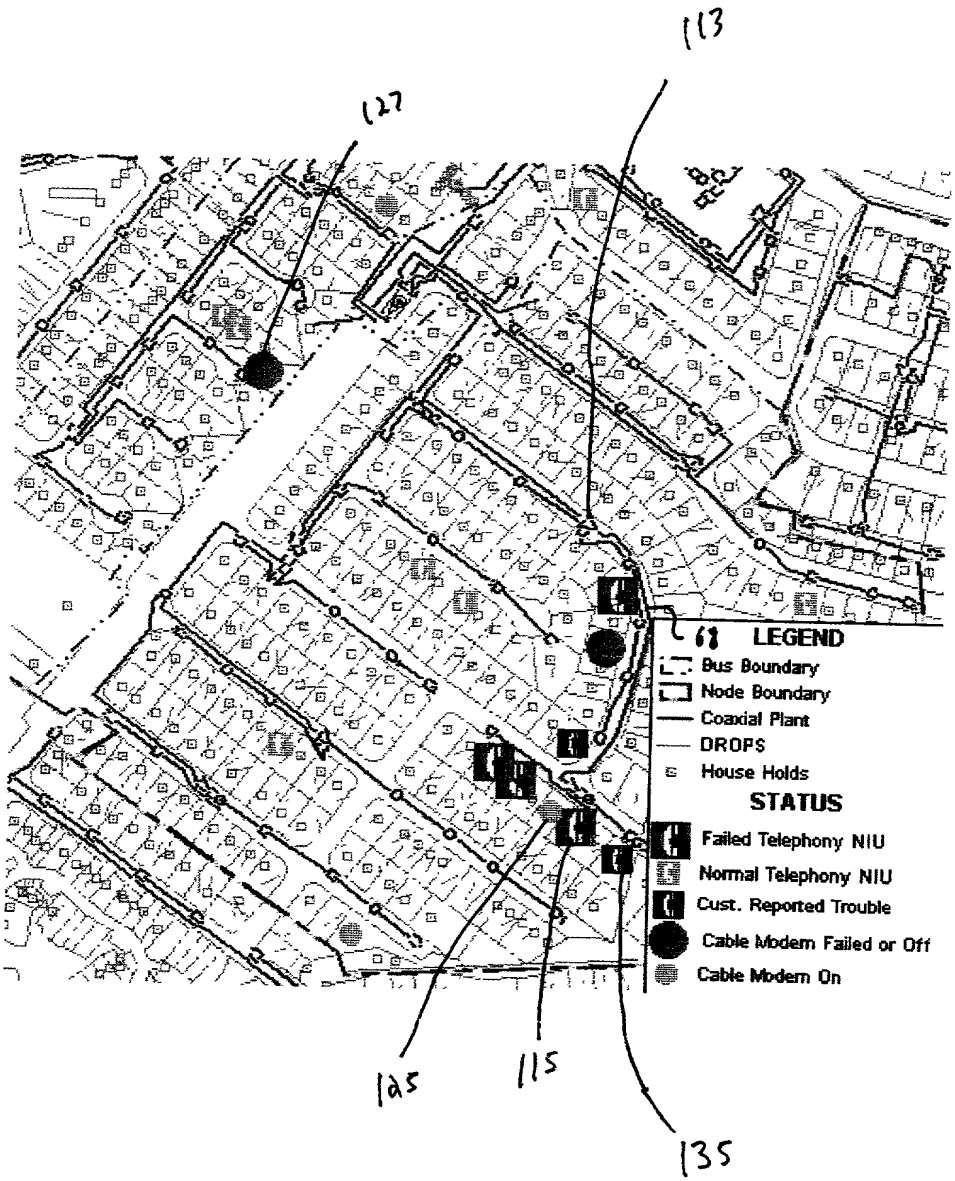
113
127
130
LEGEND
Bus Boundary
Node Boundary
Coaxial Plant
DROPS
House Holds
STATUS
Failed Telephony NIU
Normal Telephony NIU
Cust. Reported Trouble
Cable Modem Failed or Off
Cable Modem On
125
115
135

FIG. 7

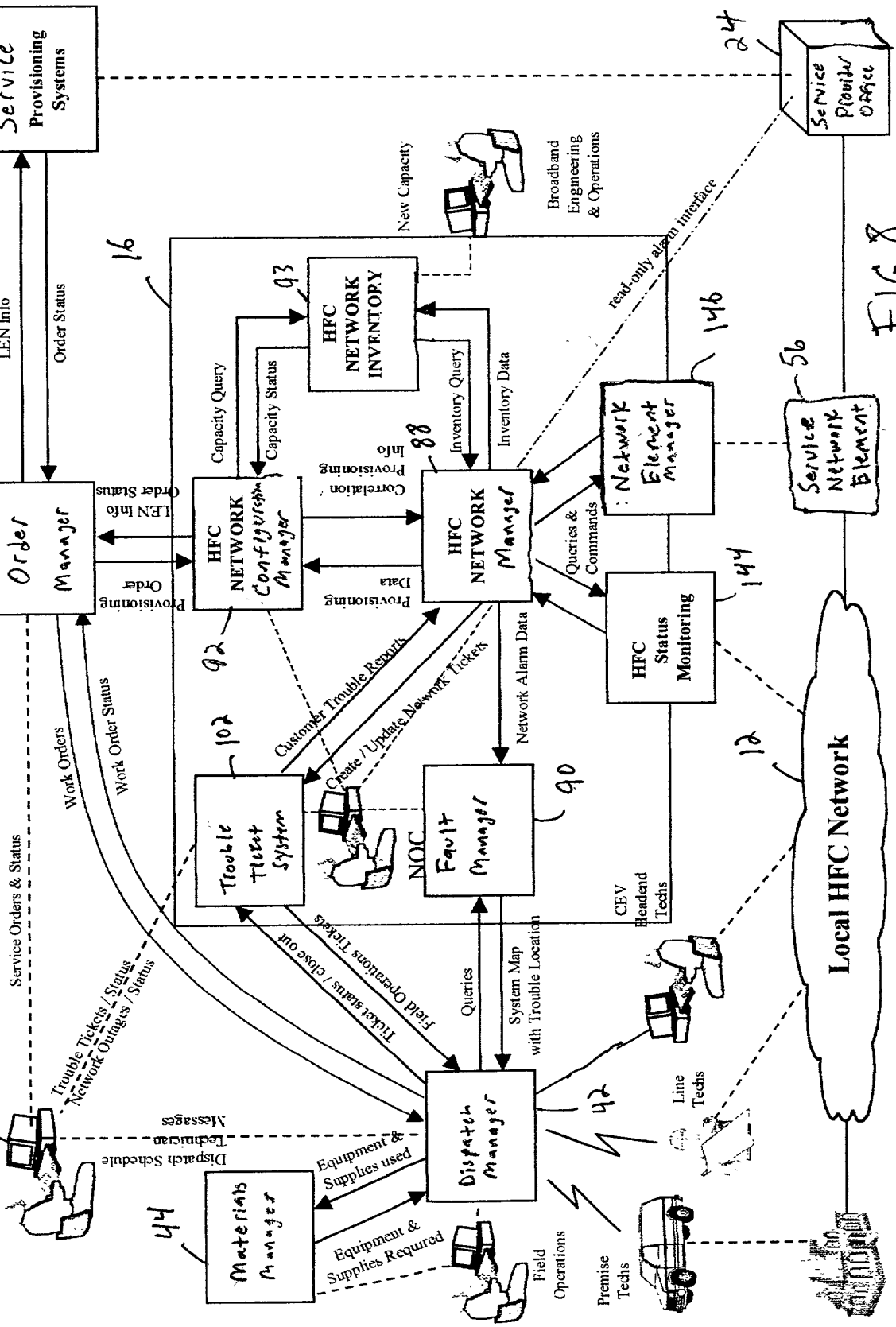
10
28
Service Provisioning Systems
24
Service Provider Office
Broadband Engineering & Operations
New Capacity
16
read-only alarm interface
93
HFC NETWORK INVENTORY
Capacity Query
Capacity Status
Inventory Query
Inventory Data
146
Network Element Manager
56
Service Network Element
Provisioning Order
LEN Info
Order Status
147
Order Manager
LEN Info
Order Status
Provisioning Order
HFC NETWORK Configuration Manager
92
Correlation / Provisioning Info
88
HFC NETWORK Manager
Provisioning Data
Queries & Commands
144
HFC Status Monitoring
Customer Trouble Reports
Create / Update Network Tickets
Network Alarm Data
102
Trouble Ticket System
NOC
90
Fault Manager
12
Local HFC Network
CEV Headend Techs
Work Orders
Work Order Status
Service Orders & Status
Trouble Tickets / Status
Network Outages / Status
Ticket status / close out
Field Operations Tickets
Queries
System Map with Trouble Location
153
Technician Messages
Dispatch Schedule
Dispatch Manager
42
Line Techs
Equipment & Supplies used
44
Materials Manager
Equipment & Supplies Required
Field Operations
Premise Techs

FIG. 8

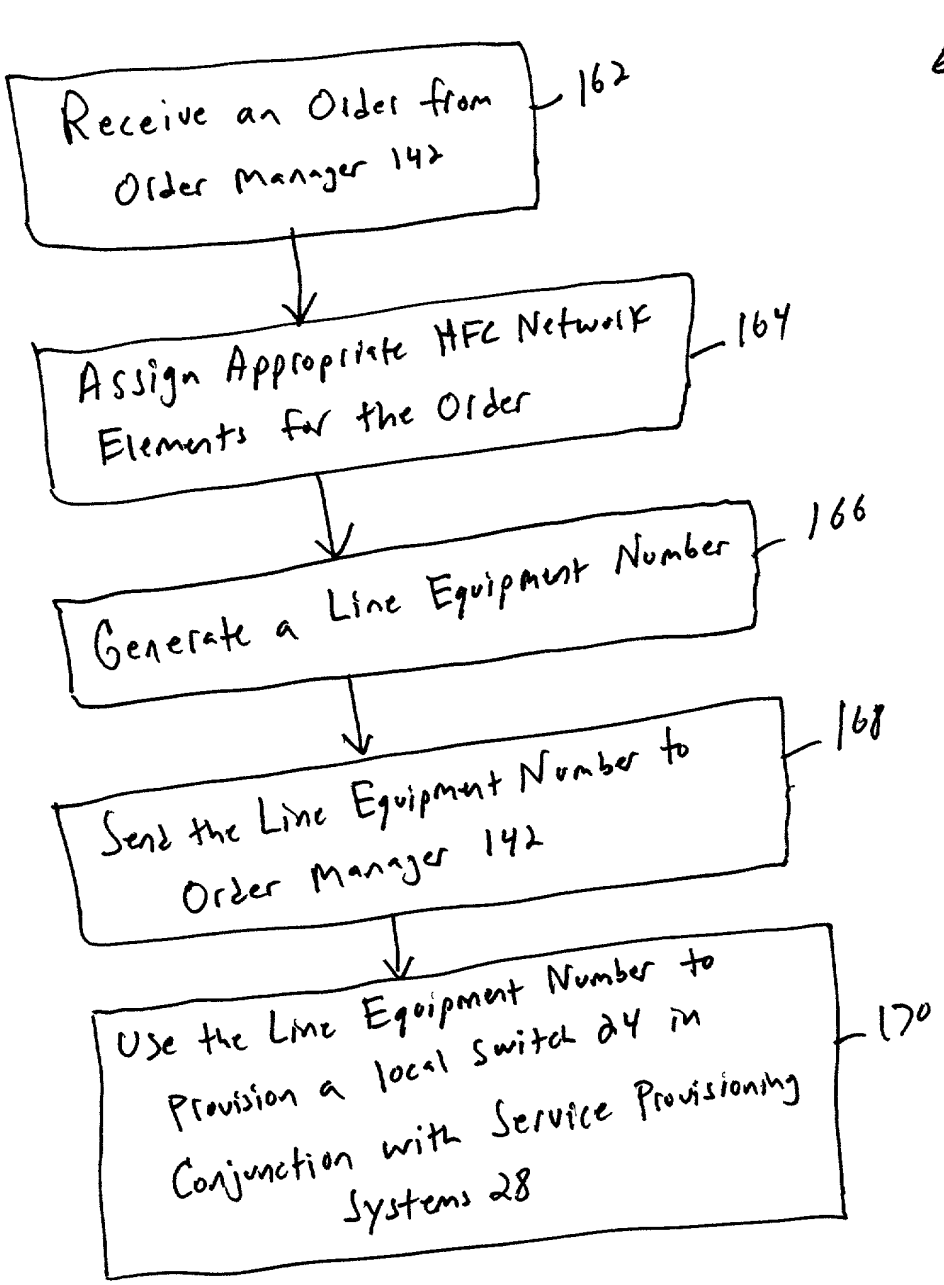
160
Receive an Older from Order Manager 142
162
Assign Appropriate HFC Network Elements for the Order
164
Generate a Line Equipment Number
166
Send the Line Equipment Number to Order Manager 142
168
Use the Line Eqoipment Number to Provision a local Switch 24 in Conjunction with Service Provisioning Systems 28
170

FIG. 9